



Flanged Double Sphere Rubber Expansion Joints Series J14

GENERAL INFORMATION

Series J13 flanged double sphere rubber expansion joint is designed to compensate various movements in pipeline, such as the movements by heat-generated expansions, settlements of terrain or building structures, rolling movements and assembly errors, machinery vibrations, water hammers, etc.

FEATURES

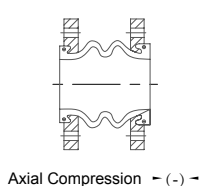
- All rubber compounds for lining are specifically formulated to provide maximum sound and heat insulation as well as abrasion resistance
- A strong, bias-ply construction, high-strength nylon fabric inside rubber
- Round steel rings embedded in the liner give maximum strength to the expansion joint while under pressure or vacuum service
- Flanges are full-faced and make an integral part of the joint to insure a tight reliable seal, no gasket are necessary

TECHNICAL DATA

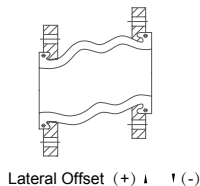
Connection	Flanged PN16, PN10, PN6
Nominal diameter	DN32-DN500
Pressure rating	PN16 for DN32-DN200, PN10 for DN250-DN500
Vacuity	500mmHg for DN32-DN200, 400mmHg for DN250-DN500
Temperature range	-20°C to +200°C (depending on rubber material)

PARTS LIST AND MATERIAL SPECIFICATION

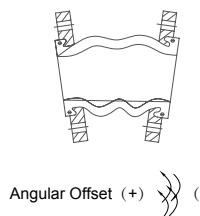
No.	Part name	Material
1	Rubber	EPDM, CR, NBR, FPM
2	Fabric	Nylon
3	Retaining rings	Galvanized steel
4	Flanges	Galvanized steel



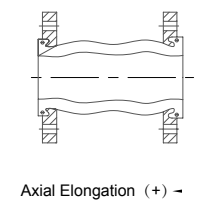
Axial Compression $\rightarrow (-)$ $\leftarrow (-)$



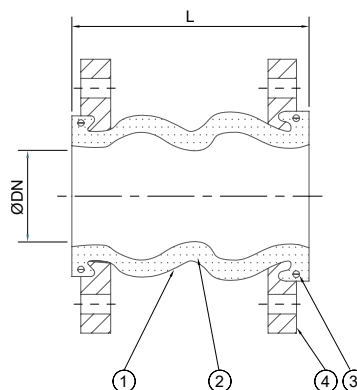
Lateral Offset $(+) \uparrow$ $(-) \downarrow$



Angular Offset $(+) \curvearrowright$ $(-) \curvearrowleft$



Axial Elongation $(+) \rightarrow$ $(-) \leftarrow$



DIMENSIONS (mm)

SIZE		L	Axial shift		Lateral shift	Angular shift
DN	INCH		Stretch	Compression		
32	1 1/4"	175	20	30	45	30°
40	1 1/2"	175	30	30	45	30°
50	2"	175	30	50	45	30°
65	2 1/2"	175	30	50	45	30°
80	3"	175	30	50	45	30°
100	4"	225	35	50	40	30°
125	5"	225	35	50	40	30°
150	6"	225	35	50	40	30°
200	8"	325	35	50	35	30°
250	10"	325	35	50	35	30°
300	12"	325	35	50	35	20°
350	14"	345	35	50	30	20°
400	16"	345	35	50	30	20°
450	18"	345	35	50	30	20°
500	20"	345	35	50	30	20°